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WORLD TOBACCO OUTPUT DECLINED 3 PERCENT IN 1977; STOCK DRAWDOWN SEEN IN 1978

Summary

Global production of leaf tobacco fell 3 percent in 1977 to 5.43 million metric tons as output of most types declined from year-earlier levels. (Based on the past 5 years, these preliminary figures should not have to be revised by more than 2 percent) Oriental tobacco set the pace with a 16 percent drop, Flue-cured output fell by 3 percent, and Burley remained at about the 1976 level. Although the industry is in a tighter supply position, the situation is not considered critical. Going into 1977, Oriental leaf supplies were in excess in many producing countries and the lower production will shift supply more in line with demand at prevailing prices. Flue-cured and Burley users may experience shortages and higher prices among certain grades, but in general supplies should be adequate to meet anticipated demand. Stocks will likely be drawn down somewhat during 1978.

World cigarette output in 1977 may be up slightly in numbers, but leaf requirements are expected to lag as manufacturers continue to adopt new technology that reduces leaf utilization per cigarette. Leaf use in cigarettes may be about the same as in the previous year.

Major Producing Countries

NORTH AMERICA

North America produced 7 percent less tobacco in 1977 as the United States, Mexico, and the Dominican Republic all registered significantly lower production. For the second consecutive year, production control quotas and weather combined to lower the regional leaf output.

Tobacco output in the United States fell 10 percent to 874,177 tons, the lowest level since 1973 and down 12 percent from the high of 991,618 tons harvested in 1975. Unfavorable weather and smaller quotas for Flue-cured and Burley types were reasons for the decline. Harvested area was 8 percent below 1976's and the average yield for all tobacco was down 3 percent.

The Flue-cured crop, which accounts for 60 percent of the U.S. total, dropped 15 percent to 507,714 tons. Supplies of upper-stalk leaf grades, normally desired by exporters, were disproportionately smaller than the total crop. The reduced supplies of both the total crop and the export qualities caused prices to increase 7 percent to a record \$2.60 per kilogram.

A U.S. Department of Agriculture Tobacco Task Force recently recommended modifying the price support eligibility provision for Flue-cured tobacco. Under the proposed change, growers could plant up to 120 percent of the farm acreage allotment and receive price support if they agree not to harvest the four lower leaves of each stalk. Producers who did not agree could plant no more than 100 percent of the farm acreage allotment as a condition for price support. This provision would be reviewed annually.

The 1978 Flue-cured marketing quota was maintained at about the 1977 level. This should result in adequate supplies to maintain export markets and domestic utilization.

Burley production in the United States during 1977 was down 4 percent at 295,184 tons. Area was down 4 percent, but yields were up slightly. The growing season was generally good and quality is reported to be better than average. Prices during the first 16 days of auctions averaged \$2.64 per kilogram, up 4 percent compared to the same period a year earlier and 5 cents above the average support price.

The outlook for Burley output in 1978 will depend partially on the marketing quota to be announced early in

1978. During the past crop year, disappearance was 4 percent below production; but loan stocks are low. Under current legislation, the quota cannot be cut more than 5 percent in any 1 year.

Among other types, Maryland was unchanged; Dark-air, Sun-cured, and Dark Fire-cured were up; and Cigar types were mixed. Wrapper was down 27 percent, filler was about the same as a year earlier, and binder was up 15 percent.

Canadian leaf production jumped 27 percent in 1977 to 103,448 tons as Flue-cured output, which accounts for 97 percent of Canada's crop, also rose 27 percent. Ontario, the major producing region, boosted production 29 percent as Flue-cured producers easily reached a 93,000-ton target. Growing conditions varied during the season and were highlighted by a late frost, drought during early summer, and heavy rainfall in August. The quality of the crop is reported to be good, especially the upper-stalk grades. Prices during the first 41 days of auction sales were averaging about 7 percent above 1976 levels and 17 cents above the \$2.20 per kilogram guaranteed on 93,000 tons by the Canadian Tobacco Manufacturers Council (CTMC).

The CTMC expects 31,500 tons of the current Ontario crop to enter export channels at \$1.90 per kilogram, 31 cents below the minimum guaranteed price for the entire Ontario Flue-cured crop. This two-price system, combined with the good quality, a short U.S. crop, and the lower value of the Canadian dollar should stimulate exports, which may increase significantly from the 25,757 tons exported in 1976 and could exceed the 31,000 tons averaged during the 1970-74 period.

Mexico's total leaf production in 1977 is estimated at 57,200 tons from a harvested area of 37,600 hectares, compared with 64,340 tons from 39,423 hectares in 1976. Yields were lower in 1977 because of heavy rains and virus infections that occurred during the growing season. Output of the export types was down less than the total crop and 1977 exports are currently estimated at 18,700 tons, only 4 percent below the 1976 level.

The outlook for 1978 is for a 4 percent larger area and a 10 percent jump in output to 63,000 tons. The bulk of the increase is expected to consist of light tobacco. The 1978 price for Semi-shade Burley was raised 10 percent by the Government Tobacco Control Agency (TABAMEX). Exports in 1978 are forecast at 20,600 tons, 10 percent above the estimated 1977 movements.

Dominican Republic output is estimated at 36,000 tons, a decline of 22 percent from 1976 despite a 9.2 percent increase in area. A severe drought that affected the country from the end of 1976 through April 1977 is responsible for the sharply lower output. This drought was almost as severe as the one that devastated the country in 1974/75. The important difference was that the recent dry spell set in after the crop was planted. The previous drought came earlier and prevented planting in several important growing areas.

Exports during 1977 are estimated to be sharply lower. Precluding a repeat of 1977 weather, production is expected to recover in 1978.

SOUTH AMERICA

South America's tobacco production rose 3 percent to 503,197 tons in 1977, as higher output in Brazil, Venezuela, and Colombia more than offset a decline in Argentina and Paraguay. The increase follows a 2 percent decline in 1976 and is 28 percent above 1971-75 average production for the region.

Brazil's total tobacco production in 1977 is estimated at 280,500 tons, up only 1 percent from 1976. A 3.5 percent increase in cigarette leaf types was tempered by a 5 percent drop in twist and cigar tobacco output.

The Virginia Flue-cured crop remained at about the 1976 level as heavy rains and inefficient cultural practices thwarted an anticipated 13 percent increase. However, the native Flue-cured type (Amarilinho) jumped 11 percent from 58,800 to 65,000 tons to account for most of the increase among the cigarette types.

An 8 percent increase in cigarette leaf production is forecast for 1978. Virginia Flue-cured is expected to accelerate 8 percent to 104,000 tons. A substantial 48 percent increase in burley is planned.

Production of Cigar leaf—three-fourths of which is exported—is estimated at 42,000 tons for 1977. This is down 1,000 tons from the revised 1976 harvest, but is 28 percent above the 1971-75 average. A production increase of about 10 percent is expected for 1978.

Argentina's producers were plagued with excessive rains during the growing season and harvested 7 percent less area in 1977. Average yields on the 73,000 hectares fell 9 percent from 1.2 to 1.1 tons per hectare. The reduced area and lower yield resulted in a total leaf crop of 82,531 tons, down 13 percent from the 1976 level.

The Flue-cured harvest rose 12 percent to 43,800 tons. Burley output was equivalent to 1976, but Dark air-cured leaf production fell more than one-third to 25,950 tons, making Flue-cured the predominant type.

Argentina's exports are expected to fall somewhat from the 27,400 tons shipped in 1977 because of the short crop. Flue-cured exports, however, will likely increase from the reduced 1976 level of 4,700 tons. Argentine Flue-cured exports compete with U.S. leaf both in the domestic and foreign markets.

Production in 1978 will likely increase as Dark air-cured leaf output recovers. Strong export demand for Flue-cured leaf is expected to continue and production of this type will likely increase further.

Colombia's leaf production is estimated at 63,510 tons, up 64 percent from the 1976 level. Area planted rose 19 percent to 34,900 hectares as producers responded to higher prices. Yields jumped 38 percent to 1.8 tons per hectare, despite dry conditions that prevailed for most of the year in the interior. The 1976 yield at 1.3 tons per hectare was extremely low because of a severe, widespread drought.

The Coastal crop, grown for export, is estimated at 30,000 tons, compared with 10,900 tons in 1976. This increase will permit exports of about 22,000 tons, compared with 20,800 tons in 1976.

Flue-cured and Burley production totaled 4,185 tons from 2,896 hectares. Output rose 15 percent on 2 percent fewer hectares as average yield rose 18 percent.

The outlook for 1978 is for total production of 73,000 tons—a 15 percent increase—as the Coastal area is forecast to produce the same level as in 1977 and the interior output is expected to jump 30 percent as producers respond to substantially higher prices. Interior prices rose 30 percent in 1977 and another boost is expected in 1978. Exports in 1978 are forecast at the 1977 level of 22,000 tons.

Paraguay's 1977 output is estimated to be down 13 percent from the record 1976 level as cotton displaced tobacco in many areas. Tobacco prices have not increased at the rate necessary to induce producers to continue tobacco production. Lower prices received for the 1977 crop will likely result in 1978 production at or below the 1977 level.

The 1977 **Venezuelan** tobacco crop is estimated at 18,500 tons, an increase of 14 percent over the 1976 level. Despite the large crop, some sources predict a tobacco shortage in the near future. Labor shortages coupled with the planting of traditional tobacco areas to other crops are cited as reasons for this pessimism. Venezuela's rise to affluence has shifted labor from the agricultural to the industrial sector. Tobacco, being highly labor intensive, will likely be affected more than many other agricultural crops and the outlook for 1978 is for decreased production.

WESTERN EUROPE

Western Europe, which accounts for 6 percent of world tobacco production, produced 11 percent less tobacco in 1977 than in 1976. Greece and France were responsible for 91 percent of the decline.

Within the **European Community**, the pattern was mixed as higher production in Belgium and Italy failed to offset declines in France and Germany.

Italy, the largest producer in the EC, increased output marginally from 108,642 tons in 1976 to 109,700 tons in 1977, on 2 percent less area. The climate was generally favorable, with yields increasing 3 percent. Excessive rains caused some blue mold in the plant beds, but plenty of sunshine during the growing season resulted in a crop of good quality—far superior to that of 1976.

The planting decisions of the growers in 1977 were determined mainly by market conditions in 1976. Kentucky had the biggest gain in area (8 percent) followed by Flue-cured (4 percent). Oriental and Light air-cured both decreased, but most Dark types registered gains.

Production in 1978 is expected to remain at about the 1977 level.

In **France**, Tobacco production dropped 14 percent in 1977, even though area increased 2 percent to 22,053 hectares. The crop was severely damaged by unfavorable weather conditions and is now estimated at 53,200 tons. There were widespread outbreaks of mildew and root rot. Over 50 percent of the tobacco crop in one large producing

area was declared a disaster. The 1978 outlook is optimistic because of substantial price hikes in recent years.

Greece, the largest tobacco producer in Western Europe, produced 19 percent less in 1977 on 9 percent smaller area. The exportable Oriental type accounted for the entire reduction in area. This decline is attributed to the large 1976 crop, which resulted in heavy purchases by the National Tobacco Board (NTB) at depressed prices. In addition, substantial quantities of 1975 and previous crops are held by the NTB. The number of growers producing the exportable Oriental dropped 12 percent from 1976. In addition to the lower area, drought and extremely hot weather during the season reduced yields 11 percent. Some recovery is expected in 1978.

Spain's 1977 tobacco area and production are estimated at 15,481 hectares and 24,118 tons, declines of 1 and 16 percent, respectively. Practically all of the decline in production was the the dark-air/Sun-cured type, which was down 62 percent from the 1976 level.

This decline is explained by a 29 percent reduction in area of this type and adverse weather conditions in most important producing areas. Reportedly, the large drop in Dark air-cured tobacco area was the result of a Government program to shift from this type to Light types. Burley area increased 6 percent from 12,235 to 13,018 hectares.

EASTERN EUROPE

In Eastern Europe, lower output in the four major producing countries lowered total tobacco production 15 percent in 1977. Area dropped 7 percent and average yield fell 9 percent.

Bulgaria's tobacco production dropped 10 percent in 1977 as area decreased an estimated 5 percent and hail damage in some areas slightly reduced yields. Prices for the 1976 crop—three-fourths of which is Oriental type—were about the same as those received for the 1975 crop, as high Oriental leaf stocks in many countries depressed prices worldwide. Excess supply and weak prices are likely responsible for the reduced area in 1977.

Although the agricultural economy in Bulgaria is almost totally socialized, only 15 percent of the tobacco is produced on State farms as family production has proven more successful. The families organize working groups known as Associated Farms. Through these Associated Farms the Government exercises its control over tobacco policy and production via allowances and other incentives.

Poland's leaf output dropped an estimated 20 percent from the 1976 record crop of 124,100 tons. Moderating prices for the 1976 crop caused growers to reduce the area planted. A wet spring and late frost resulted in replanting of many fields. Although growing conditions improved during the season, yields were reduced by the late start.

Yugoslavia produced 17 percent less leaf in 1977 as many growers—dissatisfied with low minimum purchase prices—switched to sugarbeet and sunflower production. Additionally, yields fell 10 percent because of unfavorable

weather conditions during planting and a prolonged drought during the growth stages. Hot dry weather, however, tends to improve the quality of Oriental tobacco, and the quality of this year's crop is reported to be very good.

Reportedly, the minimum guaranteed prices for the 1978 crop will be increased, but it is too early to determine if the increase will be sufficient incentive to draw growers back into tobacco production. The number of private growers dropped 12 percent in 1977 to 159,936 from 182,404 in 1976.

AFRICA

African tobacco production, is up 5 percent, based on early indications. The Malawi and South African crops more than offset a drop in Rhodesia—the largest producer in this area.

South Africa's 1977 tobacco crop reached 38,570 tons, compared with the 1976 crop of 32,090 tons, an increase of 6,480 tons. A 3,000-hectare increase in plantings played a major role in the increased production. The weather was favorable during the growing season and average yields jumped 11 percent. Increased tobacco area was the result of favorable returns for tobacco compared with other crops. Flue-cured tobacco shows the biggest increase and indicates a long term commitment by farmers investing in expensive Flue-curing equipment.

A notable development in the domestic industry is that Rhodesian tobacco farmers are moving to South Africa because of the political situation in Rhodesia. They bring with them exceptional knowledge and experience in tobacco production. Experienced Rhodesian farmers find it easy to rent or buy suitable tobacco land and the tobacco co-ops assist them with input credits.

The outlook for 1978 is for another increase in output. What effect the immigrating Rhodesians will have on South African production is unclear, but some observers believe both quantity and quality will increase.

Trade sources report a substantial drop in Rhodesian production—from 103,400 tons in 1976 to 88,100 tons in 1977 as grower migration and political unrest took their toll. Leaf output in **Malawi**, however, jumped 40 percent to an estimated 53,400 tons, up 15,000 tons from the 1976 level as growers responded to higher prices.

ASIA

Asian tobacco output in 1977 remained at about the 1976 level as higher production in several countries offset a 31 percent decline in Turkish production.

Turkey's 1977 tobacco crop is estimated at 223,400 tons, down 29 percent compared with the 1976 output of 315,300 tons. Difficulties in exporting and the growth of surplus stocks, caused Government officials to discourage farmers from planting tobacco on fertile lands. Private merchants and producer representatives also made public statements strongly advising farmers to reduce production as much as possible. Additionally, heavy infestations of blue mold in

the seed beds early in 1977—and farmers' reluctance to take preventative measures because of the cost—reduced the amount of healthy seedlings available at transplanting time. Thus, less area was planted. Dry, hot weather during the growing season discouraged plant growth and reduced yields, but produced a crop of excellent quality.

Turkey's 1978 production will likely increase somewhat from the 1977 level, but is not expected to reach the high level of 1976.

The People's Republic of China reportedly had a good tobacco harvest in 1977 and output is estimated to be up slightly from 1976 production of 970,000 tons.

India's tobacco output rose 18 percent to 414,200 tons in 1977, but was still behind the 1974 harvest of 462,100 tons. The 1977 crop—planted late in 1976—was set under generally favorable conditions. High cotton prices in 1976 caused some farmers to divert their tobacco lands in the black soil districts of Andhra Pradesh to cotton. However, this loss of area was more than offset by additional light soil areas coming under tobacco cultivation. Fertilizer and pesticide supplies were plentiful and relatively cheaper compared with year-earlier prices. Heavy rains and cyclonic storms during late 1976 caused some damage, but average yields rose compared with the 1976 crop.

Prospects of a bumper Flue-cured crop in 1978 were thwarted by a severe cyclonic storm that lashed the Flue-cured region in late 1977. The storm affected an estimated 60,000 hectares and caused total replanting of 45,000 hectares. The flue-cured crop will likely be down from the 94,400 tons produced in 1977, and total leaf output in 1978 will do well to reach the 414,200 tons of the past year.

Japan's tobacco area increased slightly in 1977, but lower yields resulted in a crop about the same size as 1976's. The Japan Tobacco Corporation (JTC) is making every effort to induce farmers to produce a smaller crop of higher quality, thus enabling the JTC to decrease inventories to a normal level of a 24-month supply. The oversupply of domestic leaf—much of which is of very low quality—has resulted from growers response to high prices. Leaf prices have increased substantially in recent years and averaged over \$5 per kilogram in 1977. Burley prices jumped 36 percent to \$5.05 per kilogram in 1977.

The JTC has authorized an area of 63,650 hectares for 1978—1.4 percent smaller than in 1977. Production, however, could equal the 1977 total if yields return to the 1976 level.

Korea's tobacco production in 1977 was a recordbreaking 138,450 tons, including 91,076 ton of Flue-cured, 46,924 tons of Burley, and 450 tons of Light sun-cured. Total production was 24 percent higher than in 1976. There was a 20 percent increase in flue-cured, 34 percent increase in Burley, and a 32 percent increase in Light sun-cured production. Good prices and favorable weather accounted for the larger production.

To promote increased domestic production of tobacco, the Office of Monopoly originally requested a 17.5 percent average increase in grower prices. The Economic Planning

Board settled on a price increase of only 13 percent, rejecting the higher figure as inflationary.

The 1978 crop is expected to be slightly smaller than the record 1977 output, but should be near the 111,500 tons produced in 1975. Export demand is good and exports will likely increase in the near term.

Philippine leaf production dropped 5 percent in 1977 farmers set slightly less area and dry weather reduced yields 4 percent.

Flue-cured output fell 6 percent from 47,952 tons in 1976 to an estimated 45,000 tons in 1977. Area harvested decreased slightly as some growers responded to an aggressive cotton production program sponsored by the Philippine Cotton Corporation in the traditional Flue-cured producing region. Dry weather during the middle and latter portions of the year lowered the outturn and significantly decreased the quality of the crop. This lower quality prompted many farmers to sun-cure a larger portion of the crop, thus lowering quality even further. The 1978 Flue-cured crop is forecast at 40,000 tons.

Cigar tobacco production was 9 percent below the 33,550 tons produced in 1976. There was little increase in area despite high prices paid to farmers in 1976. Dry weather during part of the production year reduced the crop to about 30,000 tons and adversely affected quality. About 60 percent of the 1977 crop is heavy leaf, and an abnormally small percentage is of top quality. Production in 1978 is forecast at 35,000 tons.

Pakistan's leaf output is estimated at 71,900 tons, 19 percent above the unusually low 1976 harvest, as the crop was grown under very favorable conditions. Flue-cured output soared 35 percent as the Government continued to encourage production of this type. The output of Light sun-cured leaf remained at about the 1976 level and Oriental leaf output jumped 16.6 percent.

Thailand produced 3 percent more tobacco in 1977 than in 1976. Flue-cured production rose only 1 percent to 36,590 tons and is reported to be of low quality because of unfavorable weather conditions. The outlook is for an 8 percent smaller crop in 1978. Burley production rose 5 percent in 1977 and is expected to increase again in 1978. Dark sun-cured production the other major type, increased only

slightly from the 25,269 tons harvested in 1976. Another small increase is anticipated in 1978.

Grower prices were increased about 6 percent in 1977 to offset higher fertilizer and pesticide costs. An increase of this magnitude will likely not stimulate much new production in 1978, and the total crop is forecast to be down somewhat.

OCEANIA.

Oceania leaf production recovered in 1977 to 19,567 tons as a 1,517-ton increase in Australia more than offset a 445-ton drop in New Zealand.

The 1977 **Australian** Flue-cured tobacco crop is estimated at approximately 15,963 tons, or about 1,400 tons above the 1976 crop. Growing conditions were generally good and, apart from some hail damage, only minor loss was experienced from pests and diseases. Area planted during 1977 was somewhat larger than in the previous year, mainly because of some expansion in Victoria. Total Australian area was estimated at 9,800 hectares, compared with 9,499 hectares in 1976. In addition, about 300 hectares of burley were grown, with a production of about 700 tons.

The 1978 outlook is for a reduction in both area and production largely because of dry weather.

Outlook

World tobacco production should recover in 1978. The United States is expected to harvest about the same size or perhaps a slightly larger crop, and total North American output is expected to increase 1 to 2 percent. South America should contribute about the same amount of leaf to world suppliers as in 1977. Africa also is expected to remain steady, as slightly lower expected output in Malawi and Rhodesia may be offset by an increase in South Africa. The European crop is expected to recover from low 1977 production as many Oriental producing countries work down a portion of the excess stocks held going into 1977. Asia's harvest should show another slight increase in 1978, but Oceania's may drop slightly.

The linear trend estimate for 1978 world tobacco production is 5,460,700 tons. The 90 percent confidence interval of this estimate is 5,027,000 to 5,893,000 tons.

UNMANUFACTURED TOBACCO: WORLD PRODUCTION BY KINDS,
AVERAGE 1971-75, ANNUAL 1976 AND 1977 1/

(In metric tons)

Kinds	Average 1971-75	1976 <u>2/</u>	1977 <u>3/</u>
Flue-cured.....	1,996,867	2,277,508	2,215,022
Burley.....	469,649	587,101	589,407
Oriental.....	823,283	1,054,619	890,525
Other light air-cured (incl. Maryland)....	339,788	361,663	377,693
Dark air-cured and sun.....	1,055,046	1,094,713	1,140,107
Dark air-cured (cigar).....	132,454	137,618	144,599
Dark fire-cured.....	57,015	59,183	69,106
Total.....	4,874,101	5,572,405	5,426,459

BURLEY TOBACCO: WORLD PRODUCTION BY MAJOR COUNTRY,
AVERAGE 1971-75, ANNUAL 1976 AND 1977 1/

(In metric tons)

Country	Average 1971-75	1976 <u>2/</u>	1977 <u>3/</u>
United States.....	251,812	307,984	295,184
Korea, Rep. of.....	26,889	35,026	46,924
Italy.....	40,244	41,730	44,000
Brazil.....	16,396	23,322	25,000
Japan.....	17,331	25,542	23,446
Mexico.....	12,907	24,409	23,155
Spain.....	17,149	21,373	21,316
Argentina.....	7,480	12,059	12,283
Greece.....	12,871	16,536	14,500
Malawi.....	6,145	7,212	9,900
Other.....	60,425	71,908	73,699
Total.....	469,649	587,101	589,407

1/ Production on farm-sales-weight basis, which is about 10 percent above dry weight normally reported in trade statistics. 2/ Subject to revision.

3/ Preliminary.

Note: Total may not add due to rounding.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.

FLUE-CURED TOBACCO: WORLD PRODUCTION BY MAJOR COUNTRY,
AVERAGE 1971-75, ANNUAL 1976 AND 1977 1/

Country	(In metric tons)		
	Average 1971-75	1976 <u>2/</u>	1977 <u>3/</u>
China, People's Rep. of...	555,984	620,000	585,000
United States.....	535,541	597,054	507,714
Brazil.....	103,838	155,921	161,000
Japan.....	90,417	98,696	101,944
Canada.....	102,557	79,216	100,654
India.....	122,220	96,800	94,400
Korea, Rep. of.....	70,721	76,200	91,076
Rhodesia.....	70,080	100,000	85,000
Philippines.....	28,884	47,952	45,000
Argentina.....	31,013	39,107	43,834
Thailand.....	25,759	36,290	36,590
Pakistan <u>4/</u>	23,506	22,226	29,938
Bulgaria.....	9,591	25,000	29,000
South Africa.....	17,594	19,740	26,340
Poland.....	25,538	35,600	26,000
China, Rep. of.....	17,308	26,433	24,695
Malawi.....	10,094	16,171	23,000
Tanzania.....	11,483	14,548	16,500
Yugoslavia.....	9,215	17,350	12,850
Zambia.....	6,066	6,270	5,900
Other.....	129,458	146,934	168,587
Total.....	1,996,867	2,277,508	2,215,022
Total excluding China, People's Rep. of.:	1,440,883	1,657,508	1,630,022

1/ Production on farm-sales-weight basis, which is about 10 percent above dry weight normally reported in trade statistics. 2/ Subject to revision. 3/ Preliminary. 4/ Prior to 1972 data includes Bangladesh.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.

UNMANUFACTURED TOBACCO 1. AREA, YIELD, AND PRODUCTION IN SPECIFIED COUNTRIES. AVERAGE 1971-75, ANNUAL 1976 AND 1977

CONTINENT AND COUNTRY	AVE. 1971-75	AREA		1976/2/		1977/3/		AVE. 1971-75		YIELD		KILLOG		PRODUCTION 1/		
		HA	HA	HA	HA	PER HECT	KILOG	PER HECT	KILOG	1976/2/	1977/3/	AVE. 1971-75	MT	MT	MT	
NORTH AMERICA ¹																
CANADA	44,372	37,417	42,262	2,371	2,0178	2,0448	1,05207	81,499	103,448	1976/2/	1977/3/	AVE. 1971-75	MT	MT	MT	
COSTA RICA	1,545	2,348	2,348	1,233	1,270	1,270	1,905	2,981	2,981							
CUBA	65,592	60,194	60,000	595	761	750	39,038	45,824	45,000							
DOMINICAN REPUBLIC	24,972	25,000	27,300	1,281	1,840	1,9319	31,994	46,000	36,000							
EL SALVADOR	1,043	1,310	1,390	1,531	1,300	1,429	1,597	1,703	1,986							
GUATEMALA	2,843	5,431	5,273	1,600	1,422	1,466	4,549	7,724	7,732							
HAITI	1,078	3,112	3,885	532	1,109	1,119	573	346	431							
HONOURAS	3,729	4,108	4,673	1,422	1,584	1,618	5,301	6,506	7,561							
JAMAICA	713	894	900	1,624	1,354	1,333	1,158	1,197	1,200							
MEXICO	35,754	39,223	37,600	1,629	1,632	1,521	56,236	64,340	57,200							
NICARAGUA	1,204	1,805	1,875	1,802	1,573	1,644	2,177	2,839	3,083							
PANAMA	977	850	850	1,073	1,465	1,465	1,049	1,245	1,245							
TRINIDAD-TOBAGO	293	209	109	953	708	917	279	148	100							
US (INCL. PUERTO RICO)	375,263	424,187	390,707	2,271	2,289	2,237	852,206	970,920	874,177							
TOTAL	559,381	603,478	575,672	1,976	2,064	1,984	1,105,267	1,233,272	1,142,144							
SOUTH AMERICA ¹																
ARGENTINA	83,802	78,900	73,000	957	1,199	1,131	80,162	94,600	82,531							
BRAZIL	212,923	256,000	266,000	1,014	1,079	1,055	215,842	276,100	280,500							
BOLIVIA	1,997	2,030	2,005	1,203	1,099	1,132	2,402	2,230	2,270							
CHILE	2,953	3,722	3,937	1,880	2,062	2,052	5,551	7,673	8,080							
COLOMBIA	26,966	29,365	34,896	1,726	1,315	1,820	46,540	38,621	63,510							
ECUADOR	1,480	1,074	1,805	818	1,184	1,074	1,211	1,272	1,931							
GUYANA	38	41	101	1,691	1,284	1,119	64	104	113							
PARAGUAY	21,650	33,000	30,000	1,099	1,388	1,333	23,800	45,800	40,000							
PERU	4,240	3,500	3,600	905	1,286	1,111	3,838	4,500	4,000							
URUGUAY	541	898	998	1,162	1,517	1,766	628	1,362	1,762							
VENEZUELA	9,720	13,002	14,125	1,434	1,243	1,310	13,940	16,160	18,500							
TOTAL	366,310	421,572	430,467	1,076	1,159	1,169	393,978	488,422	503,197							
EUROPE ¹																
BELGIUM	608	460	450	3,085	3,039	3,200	1,876	1,398	1,444							
FRANCE	20,225	21,705	22,053	2,495	2,838	2,412	50,456	61,600	53,200							
GERMANY, WEST	3,083	3,911	3,736	2,579	2,569	2,562	9,988	10,046	9,570							
ITALY	48,843	66,004	64,113	1,863	1,646	1,693	91,956	108,642	109,700							
TOTAL EC	73,549	92,080	91,052	2,094	1,973	1,910	154,276	181,686	173,910							
AUSTRIA	287	237	230	1,795	2,468	2,522	514	585	580							
GREECE	87,289	120,712	109,648	1,054	1,150	1,024	92,028	138,834	112,330							
PORTUGAL (INCL. AZORES)	460	562	678	1,067	1,338	1,48	4,790	752	1,245							
SPAIN	14,731	15,659	15,491	1,683	1,824	1,558	24,793	28,752	24,118							
SWITZERLAND	714	737	740	2,447	2,714	2,500	1,747	2,000	1,850							
TOTAL WESTERN EUROPE	177,029	229,947	216,029	1,547	1,532	1,440	273,849	352,419	314,033							
ALBANIA	23,926	24,000	24,000	526	542	542	12,580	13,000	13,000							
BULGARIA	132,591	131,000	124,000	1,077	1,275	1,210	142,800	167,000	150,000							
CZECHOSLOVAKIA	3,765	3,510	3,500	1,408	1,509	1,514	5,302	5,296	5,300							
GERMANY, EAST	4,452	4,500	4,528	1,528	1,556	1,556	6,804	7,000	7,000							
HUNGARY	15,712	15,409	16,500	1,102	1,238	1,152	11,309	19,077	19,000							
POLAND	47,943	59,500	50,000	1,630	2,086	2,000	78,124	124,100	100,000							
ROMANIA	46,058	54,000	50,000	804	1,167	900	3,000	45,000	45,000							
YUGOSLAVIA	52,954	69,413	64,000	1,152	1,080	975	61,016	75,000	62,000							
TOTAL EASTERN EUROPE	327,401	361,332	336,500	1,103	1,194	1,194	360,975	473,473	401,700							
TOTAL EUROPE	504,429	591,319	554,529	1,258	1,397	1,291	634,824	825,892	715,733							
U.S.S.R. (EUROPE AND ASIA)	103,624	166,000	185,000	1,595	1,825	1,622	292,000	303,000	300,000							

AFRICA	ALGERIA	9,000	9,000	556	5,980	1,680	4,000
	ANGOLA	5,982	6,000	974	1,142	1,142	6,850
	BURUNDI-RWANDA	2,023	2,000	785	800	1,588	1,600
	CAAMEROON	6,976	6,900	6,900	860	870	6,000
	CONGO-BRAZZAVILLE	4,081	4,000	4,000	417	425	1,700
	GHANA	2,995	2,800	2,550	748	733	1,700
	IVORY COAST	9,225	8,400	8,400	288	298	2,150
	KENYA	496	2,832	3,800	290	548	2,500
	LIBYA	1,001	932	930	1,477	1,606	2,470
	MALAGASY REPUBLIC	6,005	5,640	6,000	906	715	1,500
	MALAWI	53,960	64,380	72,000	557	592	38,000
	MARITIUS	409	397	400	1,488	1,562	620
	MOROCCO	3,208	4,140	4,662	1,216	1,357	5,617
	MOZAMBIQUE	31,843	2,520	2,500	1,153	1,071	2,700
	NIGERIA	27,034	27,702	19,080	506	368	8,545
	RHOESIA	52,214	58,000	53,000	1,444	1,783	88,100
	SIERRA LEONE	89	229	287	1,065	1,341	307
	SOUTH AFRICA	37,984	38,731	41,825	810	829	38,570
	TANZANIA	23,045	26,900	27,000	621	696	20,650
	TUNISIA	2,412	3,000	3,000	1,111	1,333	4,000
	UGANDA	5,067	2,550	2,600	626	784	2,000
	ZAMBIA	6,868	7,510	6,700	947	862	6,476
	ZAIRE (CONGO-K)	2,322	2,915	2,166	856	775	1,998
	TOTAL	268,002	287,501	284,800	824	890	267,952

ASIA	BANGLADESH	49,197	60,532	84,0	904	843	30,862	44,462	51,000
BURMA	61,595	64,347	64,000	1,134	1,163	1,172	69,836	74,844	75,000
CHINA,PEOPLES REP	686,934	775,000	780,000	1,291	1,252	1,250	867,124	970,000	975,000
CHINA,REP OF (TAIWAN)	8,177	10,257	9,992	2,117	2,577	2,471	17,308	26,433	24,695
CYPRUS	1,446	484	506	528	657	672	764	318	340
INDIA	437,912	368,200	431,600	902	950	960	395,186	349,800	414,200
INDONESIA	162,859	159,909	165,000	490	501	509	79,807	80,097	84,000
IRAN	13,865	16,035	22,245	1,117	1,102	1,032	15,485	17,666	22,960
IRAQ	17,239	17,400	16,800	622	600	571	10,726	10,432	9,600
ISRAEL	1,383	1,700	1,800	645	529	524	892	900	950
JAPAN	60,246	63,331	64,517	2,549	2,782	2,724	153,580	176,159	176,013
JORDAN	3,404	2,760	3,500	414	279	360	1,409	771	1,260
KHMER REP (CAMBODIA)	13,214	12,140	12,000	606	598	608	8,014	7,257	7,300
KOREA,REP OF	50,332	54,745	62,792	1,947	2,038	2,205	98,010	111,566	138,450
LAOS	6,879	6,879	7,000	572	587	586	3,935	4,037	4,100
LEBANON	7,598	7,500	3,500	1,188	1,067	1,143	9,028	8,000	4,000
MALAYSIA	8,937	8,249	12,140	760	566	673	6,790	4,669	8,165
PAKISTAN ^{4/}	60,529	46,786	48,259	1,468	1,297	1,490	88,873	60,678	71,915
PHILIPPINES	84,424	111,500	110,000	805	798	766	67,990	89,002	84,300
SINGAPORE	292	223	214	1,337	1,211	1,210	391	270	259
SRI LANKA (CEYLON)	12,321	9,915	9,500	689	664	684	8,494	6,579	6,500
SYRIA	14,945	16,620	17,500	763	722	800	11,410	12,000	14,000
THAILAND	108,575	146,298	151,100	475	463	460	51,534	67,672	69,459
TURKEY	296,501	322,600	257,000	611	978	869	181,239	315,358	223,400
Vietnam	8,981	9,000	11,500	933	933	933	957	8,401	11,773
ESSENTIALS	1,176,281	1,281,000	1,222,000	1,072	1,072	1,072	1,072	1,072	1,072

OCEANIA	AUSTRALIA	NEW ZEALAND	TOTAL
9.841	9.499	9.800	1.640
1.825	1.776	1.740	1.809
<u>11.667</u>	<u>11.275</u>	<u>11.540</u>	<u>1.647</u>
1.594	1.686	1.663	1.700
1.696	1.640	1.643	1.643
16.146	16.663	19.904	15.142
18.495	19.567	19.443	3.301
3.349	2.904	1.146	3.349

1/ Production figures on farm-sales-weight basis, which is about 10 percent above dry-weight figures normally reported in trade statistics. 2/ Subject

to revision. 3/ Preliminary. 4/ Includes Bangladesh prior to 1972.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.

FLUE-CURED TOBACCO 1 AREA, YIELD, AND PRODUCTION IN SPECIFIED COUNTRIES. AVERAGE 1971-75, ANNUAL 1976 AND 1977

CONTINENT AND COUNTRY	AREA		YIELD		PRODUCTION 1/	
	AVE. 1971-75	1976 2/	1977 3/	AVE. 1971-75	1976 2/	1977 3/
	HA	HA	HA	KILOG. PER HECT.	KILOG. PER HECT.	MT
NORTH AMERICA:						
CANADA	42,903	35,989	40,712	2,390	2,201	102,557
COSTA RICA	388	516	1,677	1,647	1,647	850
CUBA	7,020	9,000	632	556	4,439	5,000
EL SALVADOR	581	685	566	1,323	1,244	852
GUATEMALA	1,024	1,796	1,502	1,442	1,247	769
HAITI	74	130	132	1,142	1,123	1,477
HONDURAS	650	674	1,101	1,714	1,616	85
JAMAICA	84	547	600	1,248	1,441	1,114
MEXICO	5,593	5,195	5,100	965	1,533	1,333
NICARAGUA	392	476	476	1,744	1,273	1,382
PANAMA	397	140	140	2,119	1,393	699
TRINIDAD-TOBAGO	293	209	109	953	708	1,393
US (INCL. PUERTO RICO)	238,613	269,785	240,014	2,244	2,213	917
TOTAL	298,012	325,142	299,968	2,193	2,141	2,115
SOUTH AMERICA:						
ARGENTINA	33,814	34,000	34,150	917	1,150	1,284
BRAZIL	70,398	120,000	130,000	1,475	1,299	1,238
CHILE	1,018	1,304	1,391	1,899	2,066	1,934
COLOMBIA	1,076	1,630	1,593	1,406	1,226	1,445
ECUADOR	127	380	500	1,019	1,347	1,456
GUYANA	38	81	101	1,691	1,284	1,119
PERU	1,054	1,500	1,100	1,428	1,533	1,364
URUGUAY	297	560	628	1,229	1,661	1,791
VE涅ZUELA	6,105	8,626	9,465	1,470	1,293	1,347
TOTAL	113,926	168,081	178,928	1,311	1,277	1,264
EUROPE:						
GERMANY, WEST	336	315	335	1,527	2,016	1,624
ITALY	4,749	7,659	7,950	2,022	1,721	2,013
TOTAL, EC	5,085	7,974	8,285	1,989	1,733	1,997
GREECE	32	35	60	1,906	1,914	2,167
PORTUGAL (INCL. AZORES)	--	180	300	--	1,806	1,750
SPAIN	30	21	55	1,490	1,524	1,509
SWITZERLAND	68	110	110	2,556	2,591	2,545
TOTAL, WESTERN EUROPE	5,215	8,320	8,810	1,993	1,746	1,993
BULGARIA	9,119	22,000	30,000	1,052	1,136	967
HUNGARY	3,870	3,809	4,500	1,127	1,444	1,333
POLAND	18,004	17,680	14,000	1,358	2,014	1,857
YUGOSLAVIA	7,583	13,122	12,000	1,215	1,322	1,071
TOTAL, EASTERN EUROPE	39,376	56,611	60,500	1,237	1,474	1,221
TOTAL, EUROPE	44,591	64,931	69,310	1,325	1,509	1,319
						59,096
						97,977

AFRICA:		5,000	
ANGOLA	4,177	4,300	990
GHANA	1,569	2,050	1,800
KENYA	356	1,932	2,800
MALAGASY REPUBLIC	700	650	750
MALAWI	8,196	11,000	16,000
MAURITIUS	317	295	300
MOZAMBIQUE	1,782	1,121	1,120
NIGERIA	2,752	3,000	3,000
RHODESIA	47,948	55,750	50,750
SIERRA LEONE	13	63	86
SOUTH AFRICA	23,322	26,254	29,320
TANZANIA	16,693	19,900	20,000
UGANDA	3,384	1,712	1,800
ZAMBIA	6,036	7,100	6,300
ZAIRE (CONGO, D.R.)	24	134	213
TOTAL	117,268	135,261	138,539
			1,092
			1,258
			1,237

ASIA:		5,000	
BANGLADESH	967	7,959	21,956
BURMA	5,423	5,666	6,000
CHINA, PEOPLE'S REP	376,002	415,000	400,000
CHINA, REP OF (TAIWAN)	8,177	10,257	9,992
CYPRUS	150	123	136
INDIA	156,878	121,900	142,700
INDONESIA	26,518	14,337	15,000
IRAN	3,053	4,860	5,800
JAPAN	36,318	37,000	37,657
KHMER REP (CAMBODIA)	2,326	2,300	3,000
KOREA, REP OF	2,368	2,023	2,000
LAOS	36,426	39,350	43,812
MALAYSIA	2,023	2,023	2,000
PAKISTAN 4/	7,766	7,355	10,850
PHILIPPINES	18,530	16,204	18,422
SINGAPORE	39,300	56,600	56,000
SRI LANKA (CEYLON)	292	223	214
SYRIA	7,035	6,304	6,000
THAILAND	51	255	290
TURKEY	66,640	94,600	96,520
VIETNAM	410	400	300
TOTAL	2,833	2,833	3,500
	799,486	847,572	882,139
			1,236
			1,275
			1,224

OCEANIA		5,000	
AUSTRALIA	9,688	9,297	9,501
NEW ZEALAND	1,775	1,733	1,700
TOTAL	11,462	11,030	11,201

WORLD TOTAL		2,215,022	
1,384,746	1,552,017	1,580,085	1,442
			1,467
			1,402
			1,096,867
			2,277,508

1/ Production figures on farm-sales-weight basis, which is about 10 percent above dry-weight figures normally reported in trade statistics.
 2/ Preliminary.
 3/ Includes Bangladesh prior to 1972.
 4/ Includes Bangladesh prior to 1972.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.

BURLEY TOBACCO

AREA, YIELD, AND PRODUCTION IN SPECIFIED COUNTRIES. AVERAGE 1971-75. ANNUAL 1976 AND 1977

CONTINENT AND COUNTRY	AREA AVE. 1971-75	AREA 1976/2/	AREA 1977/3/	AVE. 1971-75	1976/2/	1977/3/	AVE. 1971-75	1976/2/	1977/3/	AVE. 1971-75	1976/2/	1977/3/
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	HA	HA	HA	KILOG PER HECT	KILOG PER HECT	KILOG PER HECT	MT	MT	MT	MT	MT	MT
NORTH AMERICA:												
CANADA	429	526	538	2,576	2,048	2,106	1,130	1,130	1,134	1,134	1,134	1,134
COSTA RICA	299	520	520	1,404	1,285	1,285	668	668	668	668	668	668
DOMINICAN REPUBLIC	208	210	240	1,616	1,595	1,250	335	335	300	300	300	300
EL SALVADOR	383	545	539	1,934	1,411	1,581	741	741	852	852	852	852
GUATEMALA	1,200	3,045	3,205	2,087	1,562	1,585	2,503	4,757	5,080	5,080	5,080	5,080
HAITI	32	182	253	1,062	1,099	1,123	34	200	284	284	284	284
HONDURAS	449	1,686	1,961	1,974	1,802	1,619	887	3,039	3,175	3,175	3,175	3,175
MEXICO	9,235	14,991	12,070	1,398	1,628	1,916	12,907	24,409	23,155	23,155	23,155	23,155
NICARAGUA	212	296	370	2,244	1,865	1,905	476	552	705	705	705	705
PANAMA	179	500	500	1,858	1,828	1,828	331	914	914	914	914	914
US (INCL. PUERTO RICO)	98,264	115,662	111,574	2,563	2,663	2,646	251,812	307,984	295,184	295,184	295,184	295,184
TOTAL	110,890	138,163	131,770	2,449	2,045	2,515	271,554	344,757	331,451	331,451	331,451	331,451

SOUTH AMERICA:

ARGENTINA	3,785	6,000	6,100	1,976	2,010	2,014	7,480	12,059	12,283	12,283	12,283
BRAZIL	10,874	19,000	18,000	1,508	1,227	1,389	16,396	23,322	25,000	25,000	25,000
CHILE	1,606	2,063	2,051	1,867	2,083	2,065	2,999	4,297	4,236	4,236	4,236
COLOMBIA	750	1,333	1,303	1,237	1,226	1,445	928	1,634	1,693	1,693	1,693
ECUADOR	173	287	417	1,433	1,505	1,400	248	432	584	584	584
PERU	229	300	400	1,222	1,000	1,000	280	300	400	400	400
URUGUAY	41	50	50	2,156	1,900	2,500	88	95	125	125	125
VENEZUELA	2,746	3,876	3,815	1,514	1,126	1,363	4,156	4,363	5,200	5,200	5,200
TOTAL	20,205	32,909	32,136	1,612	1,413	1,547	32,578	46,502	49,711	49,711	49,711

EUROPE:

FRANCE	444	152	103	1,901	2,783	1,942	885	423	200	200	200
GERMANY, WEST	1,854	1,825	1,693	2,405	2,461	2,411	4,459	4,491	4,082	4,082	4,082
ITALY	11,982	15,243	15,500	3,359	2,738	2,839	40,244	41,730	44,000	44,000	44,000
TOTAL EC	14,281	17,220	17,296	3,192	2,709	2,792	45,588	46,644	48,282	48,282	48,282

AUSTRIA	287	237	230	1,795	2,468	2,522	514	585	580	580	580
GREECE	4,742	5,553	5,750	2,714	2,979	2,522	12,871	16,536	14,500	14,500	14,500
PORTUGAL (INCL. AZORES)	460	342	578	1,067	1,118	1,246	490	427	720	720	720
SPAIN	10,900	12,235	13,018	1,573	1,747	1,637	17,149	21,373	21,316	21,316	21,316
SWITZERLAND	56	45	45	2,563	3,000	2,889	143	135	130	130	130
TOTAL WESTERN EUROPE	30,725	35,672	36,917	2,498	2,402	2,317	76,756	85,700	85,528	85,528	85,528

BULGARIA	3,022	4,000	4,000	1,772	2,000	1,750	80,000	70,000	70,000	70,000	70,000
POLAND	395	1,375	1,000	1,700	1,818	2,000	672	2,500	2,000	2,000	2,000
YUGOSLAVIA	4,072	4,830	4,000	1,397	1,077	825	5,690	5,200	3,300	3,300	3,300
TOTAL EASTERN EUROPE	7,488	10,205	9,000	1,564	1,538	1,367	11,715	15,700	12,300	12,300	12,300

TOTAL EUROPE	38,213	45,877	45,917	2,315	2,210	2,131	88,471	101,400	97,828	97,828	97,828
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1/ Production figures on farm-sales-weight basis, which is about 10 percent above dry-weight figures normally reported in trade statistics.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.

ORIENTAL TOBACCO I AREA, YIELD, AND PRODUCTION IN SPECIFIED COUNTRIES. AVERAGE 1971-75. ANNUAL 1976 AND 1977

CONTINENT AND COUNTRY	AREA 1971-75		YIELD 1971-75		PRODUCTION 1/ 1976 2/	
	AVE. 1971-75	1976 2/	AVE. 1971-75	1976 2/	AVE. 1971-75	1976 2/
	HA	HA	KILOG PER HECT	KILOG PER HECT	KILOG PER HECT	MT
NORTH AMERICA ¹						
GUATEMALA	94	101	1.43	1.182	1.119	1.126
MEXICO	14	14	28	1.132	1.429	15
MEXICO	602	494	490	1.024	1.597	1.604
TOTAL	710	609	651	1.047	1.514	1.952
SOUTH AMERICA ¹						
ARGENTINA	359	260	200	674	1.250	1.210
CHILE	87	111	138	917	928	899
CHILE	117	-	-	613	-	-
VEZUELA	-	-	-	-	-	-
TOTAL	563	311	338	741	1.035	1.083
EUROPE ¹						
ITALY	20,741	30,745	28,600	1.119	1.252	979
TOTAL, EC	20,741	30,745	28,600	1.119	1.252	979
GREECE	82,514	115,124	103,938	959	1.062	941
TOTAL, WESTERN EUROPE	103,255	115,869	132,438	991	1.02	949
EGYPT	120,450	105,000	90,000	1,061	1.276	1,267
CZECHOSLOVAKIA	1,276	1,200	1,200	1,036	997	1,167
HUNGARY	7,161	7,100	7,000	1,096	1,197	1,000
ROMANIA	31,903	38,500	35,760	1,039	857	7,846
YUGOSLAVIA	41,019	51,443	47,960	1,115	1,019	963
TOTAL, EASTERN EUROPE	201,810	203,243	181,160	1,026	1,162	1,096
TOTAL, EUROPE	305,065	349,112	313,598	1,014	1,137	1,034
U.S.S.R. (EUROPE AND ASIA)	163,405	153,000	170,000	1,631	1,850	1,647
AFRICA ¹						
LIBYA	275	243	240	214	243	250
MALAWI	1,182	1,260	1,000	202	252	300
RHOODESIA	259	150	150	490	667	667
SOUTH AFRICA	1,494	1,350	1,900	553	600	574
ZAMBIA	-	-	-	263	-	-
TOTAL	3,214	3,003	3,290	389	429	477
ASIA ¹						
CYPRUS	1,295	361	370	491	634	665
IRAN	6,902	8,040	9,700	1,097	1,119	1,082
IRAQ	16,430	16,591	16,000	611	588	563
ISRAEL	1,375	1,650	1,750	643	515	514
KOREA, REP. OF	202	-	-	684	-	-
LEBANON	6,860	6,780	3,150	1,243	1,121	1,206
PAKISTAN	13,587	16,061	15,793	1,822	993	1,174
PHILIPPINES	862	900	1,000	436	556	500
SYRIA	14,368	16,225	16,920	743	706	781
THAILAND	2,752	4,900	783	727	664	585
TURKEY	296,091	322,200	256,700	611	977	869
TOTAL	358,720	391,560	326,293	683	951	867
OCEANIA ¹						
TOTAL	-	-	-	-	-	-
WORLD TOTAL	831,677	897,595	814,150	900	1,075	1,094

1/ Production figures on farm-gated-weight basis, which is about 10 percent above dry-weight figures normally reported in trade statistics.
 2/ Preliminary.
 3/ Subject to revision.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attachments and Foreign Service Officers, results of office research, and related information.

OTHER LT AIR-CURED (INCL MD) I AREA, YIELD, AND PRODUCTION IN SPECIFIED COUNTRIES. AVERAGE 1971-75, ANNUAL 1976 AND 1977

1/ Production figures on farm-sales-weight basis, which is about 10 percent above dry-weight basis normally reported in trade statistics.

to revision. 3/ Preliminary. 4/ Includes Bangladesh prior to 1972.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attachés and Foreign Service Officers, results of office research, and related information.

CONTINENT AND COUNTRY	AREA			YIELD			PRODUCTION		
	AVE. 1971-75	1976 2/	1977 3/	AVE. 1971-75	1976 2/	1977 3/	AVE. 1971-75	1976 2/	1977 3/
NORTH AMERICA									
CANADA	313	328	445	1,646	1,612	1,692	515	463	753
CUBA	58,572	51,194	51,000	591	797	784	34,599	40,824	40,000
DOMINICAN REPUBLIC	24,488	24,625	26,880	1,279	1,836	1,313	31,308	45,200	35,300
EL SALVADOR	78	80	285	1,017	1,025	867	87	82	247
GUATEMALA	525	489	423	870	1,256	1,274	457	614	541
HAITI	971	-	-	467	-	-	454	-	-
HONOURAS	1,556	206	413	1,194	1,097	1,208	1,858	226	499
MEXICO	5,210	7,691	7,550	1,573	1,291	1,115	6,193	9,931	8,415
PANAMA	401	210	210	580	648	648	233	136	136
US (INCL. PUERTO RICO)	3,563	4,076	4,736	1,888	1,773	1,915	6,727	7,228	9,069
TOTAL	95,677	88,899	91,942	892	1,178	1,033	84,431	104,704	94,960
SOUTH AMERICA									
ARGENTINA	44,686	37,900	32,000	908	1,129	811	40,592	42,799	25,950
BRAZIL	98,296	51,000	49,000	640	1,056	1,071	62,908	53,857	52,500
BOLIVIA	1,997	2,030	2,005	1,203	1,099	1,132	2,402	2,230	2,070
CHILE	241	244	357	2,234	2,373	2,387	539	579	852
COLOMBIA	16,124	15,472	15,808	1,654	1,324	1,855	26,671	20,489	29,325
ECUADOR	1,180	407	888	706	806	697	833	328	619
PARAGUAY	20,567	32,800	29,800	1,099	1,389	1,334	22,610	45,550	39,750
PERU	2,794	1,500	2,000	671	1,133	1,000	1,876	1,700	2,000
URUGUAY	203	288	320	662	1,170	1,600	175	337	512
VENEZUELA	752	500	845	944	1,294	651	710	647	550
TOTAL	186,840	142,141	133,023	853	1,186	1,160	159,316	168,516	154,328
EUROPE									
BELGIUM	608	460	450	3,085	3,039	3,200	1,876	1,398	1,440
FRANCE	19,781	21,553	21,950	2,506	2,838	2,415	49,571	61,177	53,000
GERMANY, WEST	1,682	1,771	1,708	2,981	2,778	2,895	5,015	4,920	4,944
ITALY	5,087	6,252	6,283	1,565	1,166	1,592	7,961	7,292	10,000
TOTAL, EC	27,159	30,036	30,391	2,372	2,490	2,283	64,423	74,787	69,384
SPAIN	3,801	3,403	2,408	1,999	2,103	1,129	7,600	7,157	2,719
SWITZERLAND	69	-	-	2,452	-	-	169	-	-
TOTAL, WESTERN EUROPE	31,029	33,439	32,799	2,327	2,451	2,198	72,193	81,944	72,103
ALBANIA	23,926	24,000	24,000	526	542	542	12,580	13,000	13,000
CZECHOSLOVAKIA	1,751	1,610	1,600	1,511	1,677	1,500	2,645	2,700	2,400
GERMANY, EAST	4,452	4,500	4,500	1,528	1,556	1,556	6,804	7,000	7,000
HUNGARY	3,080	3,000	3,300	1,101	1,026	1,061	3,390	3,077	3,500
POLAND	19,376	28,585	25,000	1,694	2,099	2,120	32,824	60,000	53,000
ROMANIA	14,155	15,500	15,000	903	1,484	1,000	12,781	23,000	15,000
YUGOSLAVIA	280	18	40	1,349	1,111	1,250	377	200	50
TOTAL, EASTERN EUROPE	67,019	77,213	73,440	1,065	1,409	1,279	71,402	108,797	93,950
TOTAL, EUROPE	98,048	110,652	106,239	1,465	1,724	1,563	143,594	190,741	166,053
U.S.S.R. (EUROPE AND ASIA)	18,924	13,000	15,000	1,311	1,538	1,333	24,800	20,000	20,000

AFRICA!	ALGERIA	4,759	4,000	551	170	375	2,623	680	1,500
	ANGOLA	1,279	1,300	1,067	1,154	1,154	1,364	1,500	1,500
	BURUNDI-RWANDA	2,023	2,023	2,000	785	800	1,588	1,588	1,600
	CAMEROON	3,771	3,800	3,800	684	684	2,580	2,600	2,600
	CONGO, BRAZZAVILLE	2,260	2,200	2,200	311	318	703	700	700
	GHANA	757	200	200	578	735	750	438	150
	IVORY COAST	6,541	5,700	5,700	252	254	254	1,650	1,450
	LIBYA	332	314	310	1,635	1,761	1,774	543	553
	MALAGASY REPUBLIC	1,516	915	1,000	808	820	1,300	1,224	750
	MALAWI	6,525	7,170	7,000	337	261	400	2,199	1,871
	MOROCCO	179	128	90	2,079	3,438	2,222	373	440
	MOZAMBIQUE	564	436	400	565	557	575	319	230
	NIGERIA	11,692	10,455	7,000	357	296	429	176	3,000
	SOUTH AFRICA	11,518	9,064	8,400	945	1,067	1,095	882	9,200
	TUNISIA	2,412	3,000	3,000	1,111	1,933	1,333	679	4,000
	ZAIRE (CONGO, K.)	1,151	1,126	-	-	893	1,003	1,016	1,129
	TOTAL	57,280	51,831	46,400	600	663	34,356	30,412	30,780

ASIA ¹	BANGLADESH	23,333	24,467	25,474	834	825	864	27,786	20,176	22,000
BURMA	56,172	58,681	58,000	929	966	983	52,185	56,700	57,000	57,000
CHINA,PEOPLES REP	147,290	160,000	170,000	1,047	938	1,000	154,233	150,000	170,000	170,000
INDIA	257,465	220,800	257,200	989	1,040	1,033	254,742	229,600	291,400	291,400
INDONESIA	132,294	145,662	150,000	493	493	500	655,179	71,825	75,000	75,000
IRAN	3,902	3,135	6,745	1,134	1,169	1,106	4,424	3,666	7,460	7,460
IRAQ	809	809	800	841	841	750	680	680	600	600
JORDAN	1,079	460	500	227	143	240	245	66	120	120
KHMER REP (CAMBODIA)	10,846	10,117	10,000	552	538	550	5,986	5,443	5,500	5,500
LAOS	4,856	4,856	5,000	530	551	540	2,574	2,676	2,700	2,700
LEBANON	738	720	350	678	556	571	500	400	200	200
MALAYSIA	1,171	894	1,920	751	522	632	680	667	815	815
PAKISTAN ^{4/}	4,745	4,209	4,614	1,714	1,401	1,425	8,133	5,897	6,577	6,577
SRI LANKA (CEYYLON)	4,273	2,607	2,500	662	689	720	2,829	1,796	1,800	1,800
SYRIA	131	-	-	988	-	-	130	-	-	-
THAILAND	37,161	42,600	42,960	602	593	589	22,364	25,269	25,314	25,314
VIETNAM	6,148	6,167	8,000	924	921	938	5,679	5,679	7,500	7,500
TOTAL	702,412	686,184	743,433	866	846	907	609,548	673,986	580,340	580,340

1/ Production figures on farm-sales-weight basis, which is about 10 percent above dry-weight figures normally reported in trade statistics. 2/ Preliminary. 3/ Includes Bangladesh prior to 1972.

4/ Includes Bangladesh prior to 1972.
5/ Sub-
basis, which is about 10 percent above dry-weight figures normally reported in trade statistics.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attachés and Foreign Service Officers, results of office research, and related information.

DARK AIR-CURED (CIGAR) AREA, YIELD, AND PRODUCTION IN SPECIFIED COUNTRIES. AVERAGE 1971-75, ANNUAL 1976 AND 1977

CONTINENT AND COUNTRY	AREA		YIELD		PRODUCTION	
	AVE. 1971-75	1976 2/	AVE. 1973/	1977 2/	AVE. 1971-75	1976 2/
	HA	HA	KILOG PER HECT	KILOG PER HECT	KILOG PER HECT	MT
NORTH AMERICA ¹						
CANADA	727	574	567	1,416	1,202	1,029
COSTA RICA	658	1,298	1,298	956	1,119	690
HONOURAS	1,019	1,445	1,032	1,369	1,381	820
JAMAICA	629	337	300	1,675	1,214	1,395
NICARAGUA	290	761	780	1,913	1,886	1,053
US (INCL. PUERTO RICO)	15,512	14,632	12,724	1,953	1,888	1,881
TOTAL	19,034	19,047	16,701	1,764	1,764	2,076
SOUTH AMERICA ¹						
ARGENTINA	580	200	50	869	675	480
BRAZIL	33,056	66,000	69,000	980	652	609
COLOMBIA	9,016	10,930	16,192	1,933	1,327	1,853
TOTAL	42,953	77,130	85,242	1,179	747	845
EUROPE ¹						
ITALY	328	321	330	1,849	1,654	1,515
TOTAL EC	328	321	330	1,849	1,654	1,515
TOTAL WESTERN EUROPE	328	321	330	1,849	1,654	1,515
POLAND	4,168	4,520	4,000	1,986	2,212	1,750
TOTAL EASTERN EUROPE	4,168	4,520	4,000	1,986	2,212	1,750
TOTAL EUROPE	4,695	4,841	4,330	1,976	2,175	1,732
U.S.S.R. (EUROPE AND ASIA)	1,295	-	-	1,191	-	-
AFRICA ¹						
CAMEROON	1,716	1,700	1,700	1,364	1,353	1,353
TOTAL	1,716	1,700	1,700	1,364	1,353	1,353
ASIA ¹						
PAKISTAN	3,387	-	-	1,098	-	-
PHILIPPINES	36,062	45,000	43,000	881	746	710
TOTAL	39,449	45,000	43,000	900	746	710
OCEANIA	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-
WORLD TOTAL	108,942	147,718	150,973	1,216	932	958

1/ Production figures on farm-sales-weight basis, which is about 10 percent above dry-weight figures normally reported in trade statistics.
 2/ Preliminary.
 3/ Subject to revision.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attachés and Foreign Service Officers, results of office research, and related information.

DARK FIRE-CURED 1 AREA, YIELD, AND PRODUCTION IN SPECIFIED COUNTRIES. AVERAGE 1971-75, ANNUAL 1976 AND 1977

CONTINENT AND COUNTRY	AREA			YIELD			PRODUCTION 1/		
	AVE. 1971-75	1976 2/	1977 3/	AVE. 1971-75	1976 2/	1977 3/	AVE. 1971-75	1976 2/	1977 3/
	HA	HA	HA	KILOG PER HECT	MT				
NORTH AMERICA, US (INCL. PUERTO RICO)	9,356	10,724	12,351	1,827	1,629	1,800	17,096	17,471	22,236
TOTAL	9,356	10,724	12,351	1,827	1,629	1,800	17,096	17,471	22,236
SOUTH AMERICA: ARGENTINA	538	600	500	592	417	396	318	250	198
TOTAL	538	600	500	592	417	396	318	250	198
EUROPE: ITALY	5,535	4,897	5,300	1,675	1,104	1,792	9,270	5,406	9,500
TOTAL EC	5,535	4,897	5,300	1,675	1,104	1,792	9,270	5,406	9,500
TOTAL WESTERN EUROPE	5,535	4,897	5,300	1,675	1,104	1,792	9,270	5,406	9,500
POLAND	5,126	7,340	6,000	2,086	2,180	2,000	10,693	16,000	12,000
TOTAL EASTERN EUROPE	5,126	7,340	6,000	2,086	2,180	2,000	10,693	16,000	12,000
TOTAL EUROPE	10,661	12,237	11,300	1,873	1,749	1,903	19,963	21,406	21,500
AFRICA: GHANA	670	550	550	788	885	909	528	487	500
KENYA	93	900	1,000	369	408	550	34	367	550
MALAWI	31,472	37,650	40,000	362	334	435	11,395	12,565	17,400
MOZAMBIQUE	145	88	80	1,810	2,148	2,125	263	189	170
SIERRA LEONE	76	166	201	1,143	1,373	1,353	86	228	272
TANZANIA	6,352	7,000	7,000	442	590	586	2,808	4,127	4,100
UGANDA	1,683	838	800	560	779	750	942	653	600
ZAIRE (CONGO, K.)	673	1,202	1,446	724	443	470	488	533	680
TOTAL	41,164	48,394	51,077	402	396	475	16,543	19,149	24,272
ASIA: INDONESIA	4,9047	-	-	-	-	-	-	-	-
SRI LANKA (CEYLON)	1,012	1,004	1,000	946	903	900	957	907	900
TOTAL	5,059	1,004	1,000	612	903	900	3,095	907	900
OCEANIA TOTAL	-	-	-	-	-	-	-	-	-
WORLD TOTAL	66,776	72,959	76,228	854	811	907	57,015	59,183	69,106

1/ Production figures on farm-sales-weight basis, which is about 10 percent above dry-weight figures normally reported in trade statistics.
2/ Preliminary.
3/ Subject to revision.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attachés and Foreign Service Officers, results of office research, and related information.

UNMANUFACTURED TOBACCO PRODUCTION: TRENDS IN SPECIFIED COUNTRIES, 1960-77 WITH TRENDLINE ESTIMATES FOR 1978, 1979, AND 1980
(In 1,000 metric tons)

Country	Regression				Correlation:	Standard	1977			1978			Trend Estimates		
	Constant	Coefficient:	Coefficient:	Error	(s)	(r)	1976	Trend	Actual	Deviation	Trend	Actual	Deviation	1979	1980
(a) 1/	(b) 2/	(r) 3/	(s) 4/												
Canada.....	88.8	.88	.36		11.78	81.5	103.6: -	22.1		103.4:	104.5: -	1.1	105.4:	106.3:	107.1
Mexico.....	39.9	1.27	.72		6.31	64.3	61.4:	2.9		57.2:	62.7: -	5.5	63.9:	65.2:	66.5
United States.....	956.7	-	6.04		.34	87.30	970.9:	84.0:	116.9	874.2:	848.0:	26.2	841.9:	835.9:	829.9
Argentina.....	35.6	3.03	.89		8.05	94.6:	87.1:	7.5		82.5:	90.1: -	7.6	93.2:	96.2:	99.2
Brazil.....	117.7	7.55	.82		27.58	258.1:	246.0:	12.1		280.5:	253.6:	26.9	261.1:	268.7:	276.2
Italy.....	46.8	3.42	.84		11.29	108.6:	104.9:	3.7		109.7:	108.3:	1.4	111.7:	115.2:	118.6
Total EC.....	98.0	4.27	.84		14.53	181.7:	170.5:	11.2		173.9:	174.8: -	.9	179.1:	183.3:	187.6
Greece.....	92.7	.77	.18		21.44	138.8:	105.8:	33.0		112.3:	106.6:	5.7	107.4:	108.2:	108.9
Bulgaria.....	81.3	4.41	.78		18.47	167.0:	156.3:	10.7		150.0:	160.7: -	10.7	165.1:	169.5:	173.9
Poland.....	47.0	3.16	.70		16.88	124.1:	100.7:	23.4		100.0:	103.9: -	3.9	107.0:	110.2:	113.4
U.S.S.R.....	149.3	9.92	.90		24.51	303.0:	317.8:	-	14.8	300.0:	327.8:	-	327.8:	337.7:	357.5
Malawi.....	7.9	1.67	.82		6.04	38.1:	36.3:	1.8		53.4:	37.9:	15.5	39.6:	41.3:	42.9
China, Peo. Rep...	576.9	22.67	.88		64.51	970.0:	962.3:	7.7		975.0:	985.0: -	10.0	1,007.7:	1,030.3:	1,053.0
India.....	311.7	5.06	.65		31.12	349.8:	397.7:	-	47.9	414.2:	402.8:	11.4	407.9:	412.9:	418.0
Indonesia.....	80.5	.54	.16		16.76	80.1:	89.6:	-	9.5	84.0:	90.1: -	6.1	90.7:	91.2:	91.7
Japan.....	159.4	.72	.14		25.91	176.2:	171.6:	4.6		176.0:	172.3:	3.7	173.0:	173.8:	174.5
Korea, Rep. of...	16.9	5.78	.92		12.72	111.6:	115.1:	-	3.5	138.5:	120.9:	17.6	126.7:	132.5:	138.3
Philippines.....	66.6	.78	.34		11.27	89.0:	79.9:	9.1		84.3:	80.7:	3.6	81.5:	82.2:	83.0
Thailand.....	20.8	2.36	.96		3.65	67.7:	60.9:	6.8		69.5:	63.3:	6.2	65.6:	68.0:	70.4
Turkey.....	98.9	7.20	.76		31.69	315.4:	221.3:	94.1		223.4:	228.5:	-	235.7:	242.9:	250.1
World Total...	3,708.0	92.25	.90		226.24	5,572.4:	5,276.2:	296.2		5,426.5:	5,368.5:	58.0	5,460.7:	5,553.0:	5,642.2

1/ Intercept - trend value of production when X equals zero (i.e.: $X = 1959$).
2/ Slope - the change in the trend value of production for a one unit change in time (i.e.: annual change).
3/ A value between 1 and -1 that measures the degree of linear association between time and production. The larger the absolute value of (r), the higher the degree of linear association between them.

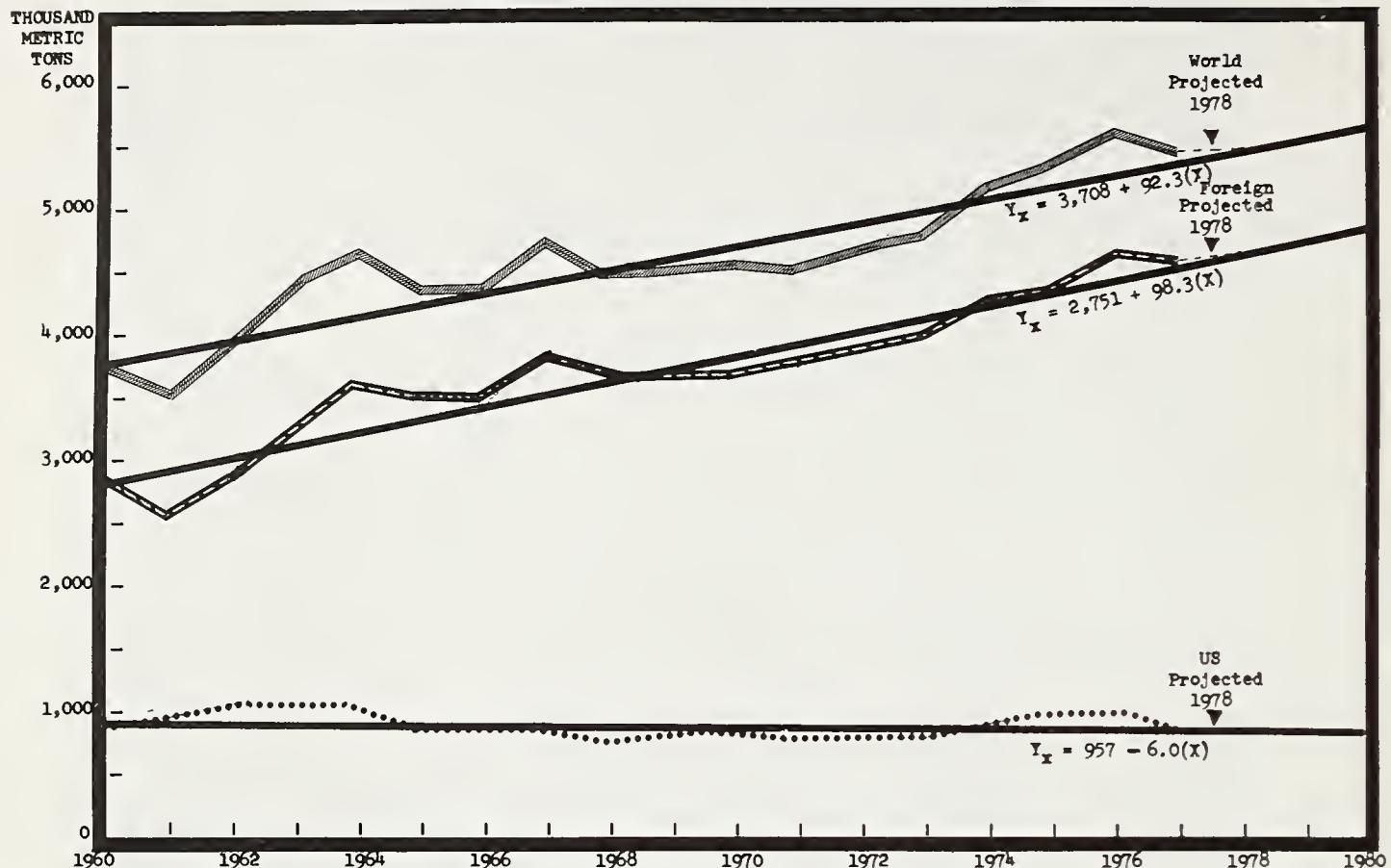
4/ A measure of the amount of variation of the actual production from its trend values.

FLUE-CURED, BURLEY, AND ORIENTAL TOBACCO PRODUCTION: TRENDS IN SPECIFIED COUNTRIES, 1960-77 WITH TRENDLINE ESTIMATES FOR 1978, 1979, AND 1980
(In 1,000 metric tons)

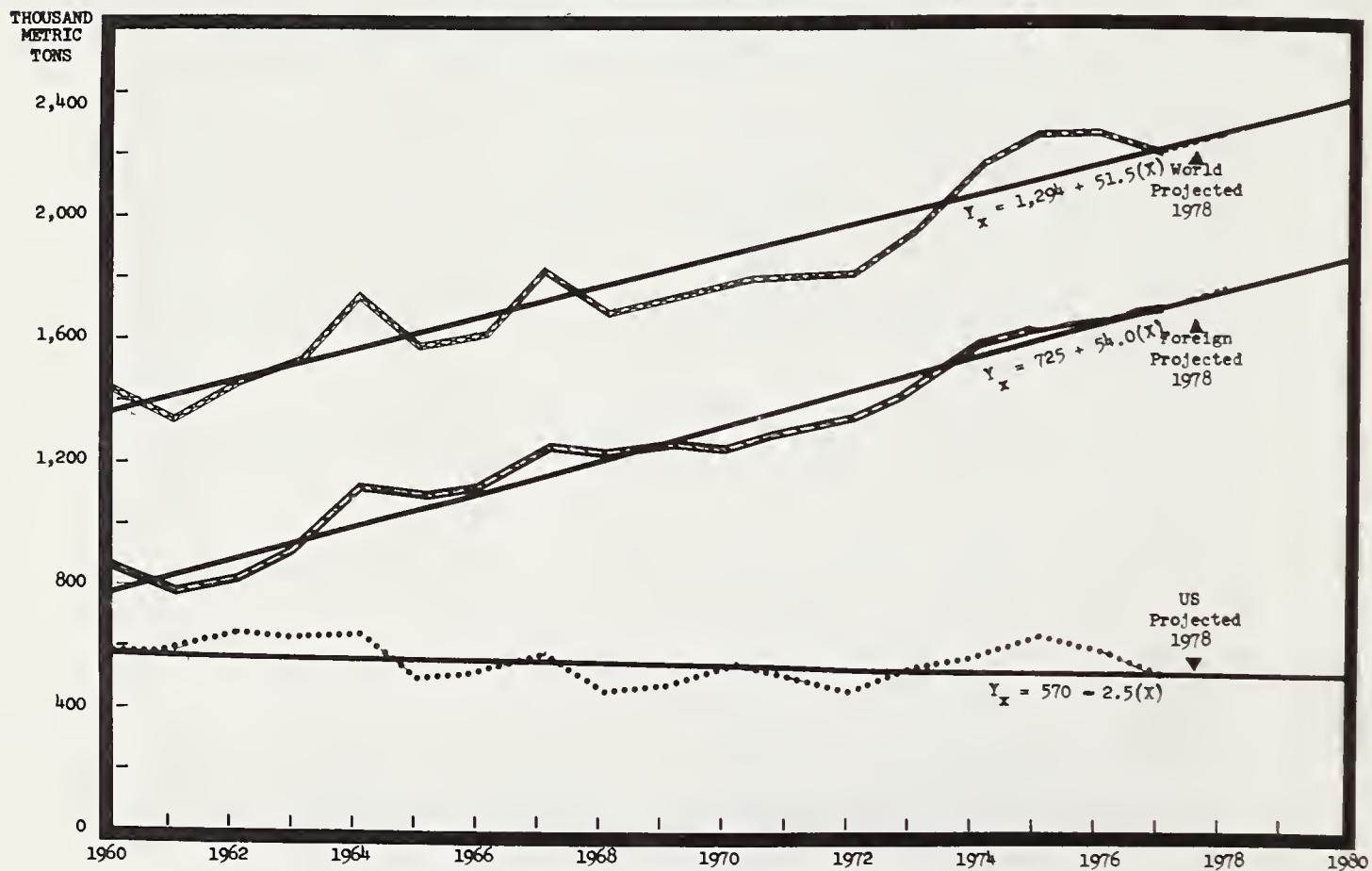
Country	Constant	Regression: Correlation: Standard			Actual	Trend	Deviation	1977			Trend	Estimates
		(a) <u>1/</u>	(b) <u>2/</u>	(r) <u>3/</u>				1976	1978	1979		
<u>Flue-cured</u>												
Canada.....	82.7	1.11	.44	.44	11.85	79.2	101.5	-22.3	100.7	102.6	-1.9	104.8
United States.....	569.9	-2.54	-	.21	59.91	597.1	526.7	70.4	507.7	524.2	-16.5	519.1
Argentina.....	2.2	2.09	.95	.354	39.1	37.8	1.3	43.8	39.9	3.9	42.0	44.1
Brazil.....	26.6	6.08	.80	23.44	155.9	130.0	25.9	161.0	136.1	24.9	142.2	148.3
Poland.....	17.6	.96	.41	11.17	35.6	34.0	1.6	26.0	34.9	-8.9	35.9	36.9
China, Rep. of.....	15.5	.33	.54	.266	26.4	21.1	5.3	24.7	21.4	3.3	21.8	22.1
India.....	76.0	2.41	.54	19.37	96.8	117.0	-20.2	94.4	119.4	-	25.0	121.8
Korea, Rep. of.....	14.4	3.94	.93	7.77	76.2	81.4	-5.2	91.1	85.3	5.8	89.3	93.2
Thailand.....	4.7	1.60	.96	2.43	36.3	31.9	4.4	36.6	33.5	3.1	35.1	36.7
World.....	1,294.5	51.45	.94	95.60	2,277.5	2,169.2	108.3	2,215.0	2,215.0	-5.6	2,272.1	2,323.5
<u>Burley</u>												
Mexico.....	.8	1.06	.73	.516	24.4	17.2	7.2	23.2	18.2	5.0	19.3	20.3
United States.....	266.7	.17	.03	33.53	308.0	269.7	38.3	295.2	269.8	25.4	270.0	270.2
Brazil.....	4.3	1.49	.92	3.19	23.3	21.0	2.3	25.0	22.5	2.5	24.0	25.5
Italy.....	3.3	2.45	.96	3.85	41.7	44.9	-3.2	44.0	47.4	-3.4	49.8	52.3
Greece.....	.8	.99	.94	1.79	16.5	16.0	.5	14.5	17.0	-2.5	18.0	19.0
Korea, Rep. of.....	6.3	2.42	.92	5.17	35.0	34.8	.2	46.9	37.2	9.7	39.7	42.1
World.....	280.2	14.67	.87	42.21	587.1	529.5	57.6	589.4	544.2	45.2	558.9	573.5
<u>Oriental</u>												
Italy.....	14.1	.84	.64	5.21	38.5	28.5	10.0	28.0	29.3	-1.3	30.2	31.0
Greece.....	93.5	.22	-	.05	21.86	122.2	89.7	32.5	97.7	89.5	8.2	89.3
Bulgaria.....	77.3	3.33	.76	14.57	134.0	133.9	.1	114.0	137.2	-23.2	140.5	143.8
Yugoslavia.....	32.1	1.01	.45	10.41	52.4	49.2	3.2	46.2	50.2	-4.0	51.3	52.3
Lebanon.....	4.1	.23	.64	1.43	7.6	8.0	-	.4	3.8	8.2	4.4	8.5
Syria.....	6.3	.34	.67	1.94	11.5	12.1	-	.6	13.2	12.4	.8	12.8
Turkey.....	98.2	7.22	.76	31.67	314.9	220.9	94.0	223.0	228.2	-5.2	235.4	242.6
World.....	495.4	25.51	.85	83.48	1,054.6	929.2	125.4	890.5	954.7	-64.2	980.2	1,005.7

1/ Intercept - trend value of production when X equals zero (i.e.: X = 0 = 1959). 2/ Slope - the change in the trend value of production for a one unit change in time (i.e.: annual change). 3/ A value between 1 and -1 that measures the degree of linear association between time and production. The larger the absolute value of (r), the higher the degree of linear association between them. 4/ A measure of the amount of variation of the actual production from its trend values.

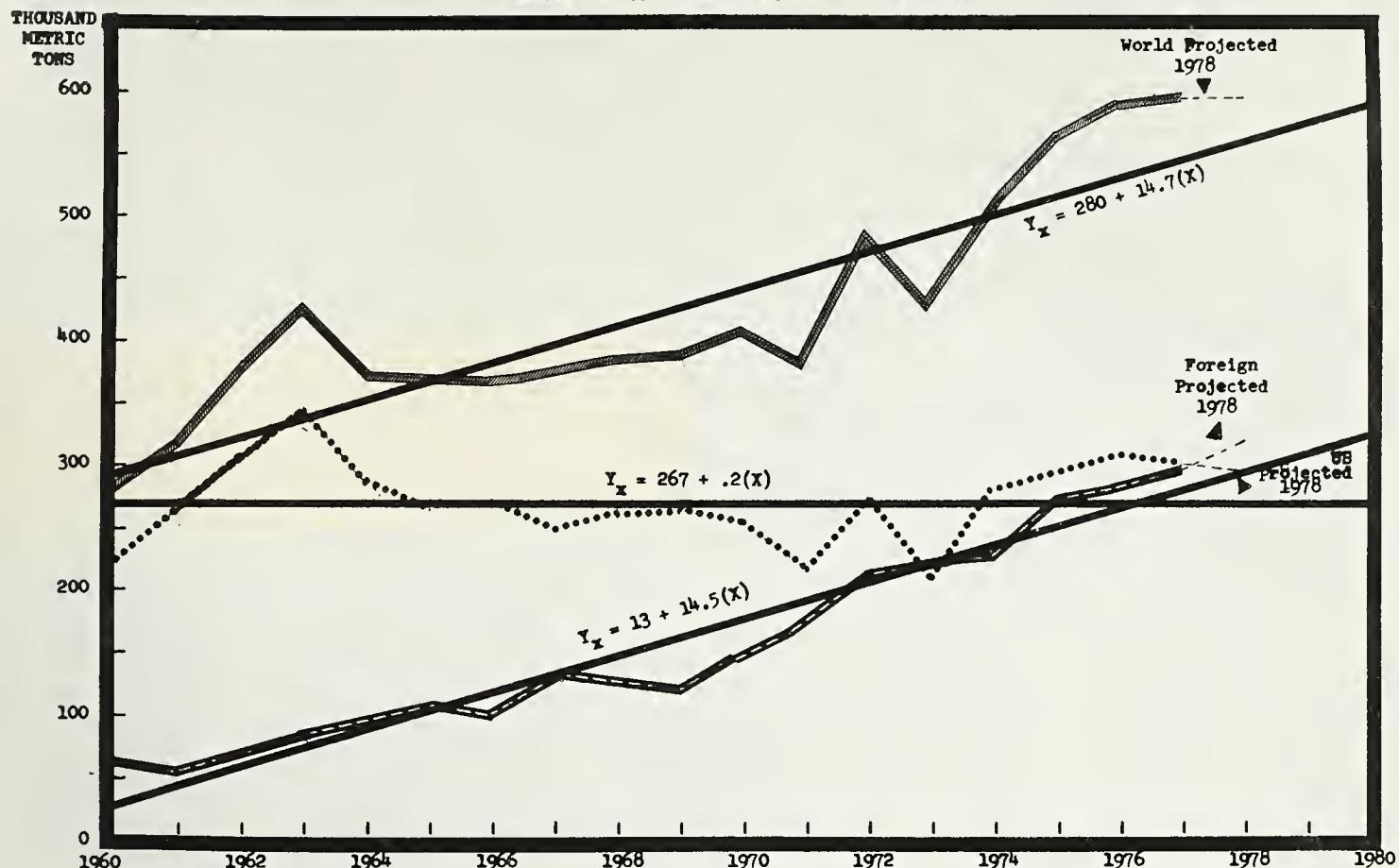
TOTAL UNMANUFACTURED TOBACCO PRODUCTION: ACTUAL AND TREND



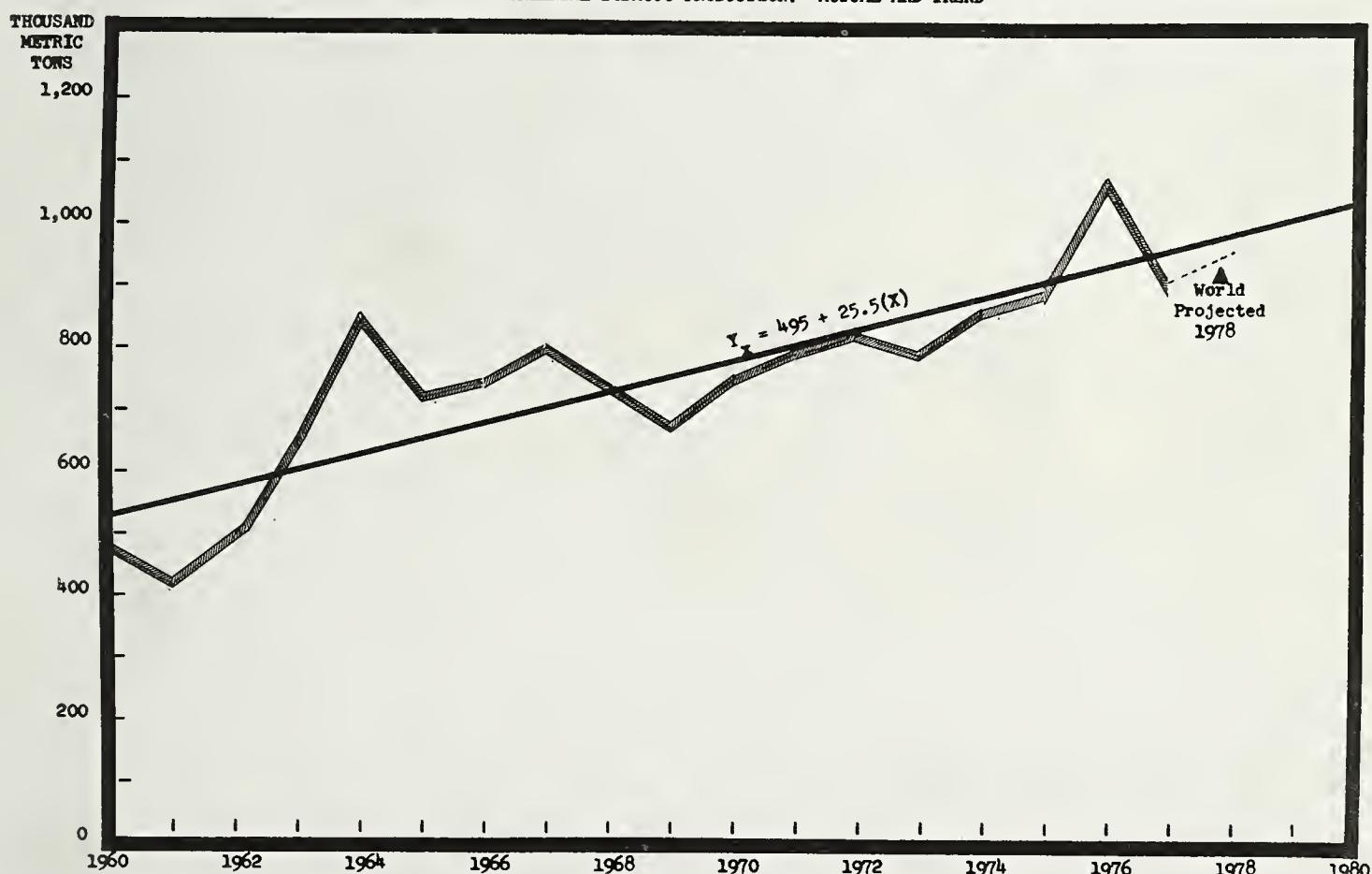
FLUE-CURED TOBACCO PRODUCTION: ACTUAL AND TREND



BURLEY TOBACCO PRODUCTION: ACTUAL AND TREND



ORIENTAL TOBACCO PRODUCTION: ACTUAL AND TREND



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